

## **Amendments To The Specification**

Please replace paragraph [0010], [0015], [0021], [0023], [0030], [0033], [0036], [0039], and [0041], with the following amended paragraphs:

[0010] The venting ducts of the modules may be ~~is~~-connected at least in use of the system, to any low pressure. For example where the vehicle is an aircraft, and the product gas is oxygen enriched gas for breathing, where the system is intended only for use during an emergency situation i.e. cabin decompression, the low pressure may be established in the aircraft cabin or hold such that the venting ducts simply open to the aircraft cabin or hold.

[0015] Where the vehicle is an aircraft, the product gas may be ~~is~~-oxygen enriched gas.

[0021] Fig. 2 is an illustrative view of a molecular sieve bed module for use in the system of ~~figure~~ Figure 1.

[0023] Referring to ~~figures~~ Figures 1 and 2 of the drawings ~~+~~there is shown a molecular sieve bed gas enriching system 10. In this example the system 10 is for producing oxygen enriched gas for breathing, in an aircraft.

[0030] The system 10 further includes a high pressure air pressure sensor 46 and a high pressure air temperature sensor 47, both of which provide inputs to the system controller ~~15-25~~ which operates the shut off valve 39 and product gas isolation valve 32.

[0033] The modules 11a, 11b, 11c etc. are then individually connected into the remainder of the system 10 by connecting the outlet ducts 14 to the product gas distribution conduit 28, and the gas supply ducts 19 to the high pressure gas supply conduit 29, and by connecting the valve assemblies 17 to the system controller ~~15-25~~ via the cables C.

[0036] The system controller ~~15-25~~ in this example is programmed to perform a self test to determine how many modules 11a, 11b, 11c etc. are operatively connected in the system 10, and then the controller selects an appropriate system control regime to

that product gas with a desired degree of oxygen enrichment for operating conditions is produced.

[0039] Whatever operating regime is selected by the controller ~~15~~<sup>25</sup>, in the event that one or more of the modules 11a, 11b, 11c etc. malfunctions, for example as a result of the molecular sieve bed material becoming contaminated, the controller ~~15~~<sup>25</sup> may bring the module off-line and select an alternative operating regime to produce product gas with a desired degree of oxygen enrichment.

[0041] The system 10 ~~my~~<sup>may</sup> include additional components not shown in the drawings or mentioned for the full performance of the system 10, as will be apparent to those skilled in the art, but preferably, all components except the modules 11a, 11b, 11c etc. are installable in the aircraft or other vehicle independently of the modules.

Please amend page 9 of the specification in its entirety to read as follows:

Example 1—Manufacture of Emulsions Compositions

~~Seven formulations containing retinol (Examples I-VII), as described in Table 1, were manufactured as set forth below.~~

[0042] In Figure 3 there is shown a modified system 10 installed by the method of the invention. In this example the individual modules are arranged in the system 10 in pairs, 11a, 11b and 11c, 11d, with each pair of modules 11a, 11b and 11c, 11d having respective product gas outlet ducts 14a, 14b which are connected together and to a main product gas duct 14, which extends to and is connected to the product gas distribution conduit 28. Thus the outlet ducts 14a, 14b of all of the beds 11a, 11b, 11c, 11d are all, indirectly, connected to the product gas distribution conduit 28.

[0043] In this embodiment, the paired beds 11a, 11b and 11c, 11d may be operated as a pair with each bed 11a, 11b of a pair being operated in a charging phase, whilst the other bed of the pair is vented. However, the beds of the pairs may be operated with other beds or pairs of beds of the system 10 by the controller (not seen in Figure 3) as and when required. Otherwise the beds 11a, 11b and 11c, 11d are operated similarly to the beds in the previously described embodiment.

**[0044]** By coupling beds in distinct pairs, as indicated in Figure 3, rather than coupling the individual beds direct to the product gas distribution line 28, it is expected that improved purging of a bed being vented (regenerated) may result.

Please amend the abstract to as follows:

~~A method of installing a molecular sieve bed gas enriching system in a vehicle, the method including installing in the vehicle a system controller, a product gas distribution conduit which extends to at least one product gas distribution position, and a high pressure gas supply conduit which extends from a high pressure gas source, providing a plurality of molecular sieve bed modules, each module including a container containing molecular sieve bed material, a first gas communication port from the container with an outlet duct for product gas produced in use during a charging phase of the molecular sieve bed, the outlet duct including an outlet valve to prevent ingress of gas into the container through the first gas communication port, and the container including a second gas communication port which is connected to a valve assembly which, depending upon the controlled state of the valve assembly, in use permits of communication between the interior of the container and one of a gas supply duct during the charging phase of the molecular sieve bed and a venting duct during a venting phase of the molecular sieve bed, introducing each of the modules independently into the vehicle, connecting each of the outlet ducts 14 to the product gas distribution conduit, connecting each of the gas supply ducts to the high pressure gas supply conduit, and connecting the controller to each of the valve assemblies of the modules so that the controller is operable in use to change the controlled state of each of the valve assemblies.~~  
A method of installing a molecular sieve bed gas enrichment system in a vehicle such as an aircraft. A system controller, a product gas distribution conduit, a high pressure gas supply conduit which extends from a high pressure gas source, and a plurality of molecular sieve beds are installed in the vehicle. Each sieve bed has a first port which delivers product gas through a check valve to an outlet duct. Each sieve bed also includes a second port connected to a

valve assembly which is controlled by the system controller to connect the second port either to a gas supply duct during a charging phase or to a venting duct during a venting phase. The outlet duct for each sieve bed is connected to the product gas distribution conduit, and the gas supply duct for each sieve bed is connected to the high pressure gas supply conduit.